

Amendments to the Claims:

Please cancel claims 1-8 and add new claims 9-17 as follows.
The following listing of claims will replace all prior versions,
and listings, of claims in the application.

Listing of Claims:

Claims 1-8 (Cancelled).

Claim 9 (New). A fixing device, comprising:

a heating roller which applies heat onto a non-fixed toner image formed on a recording medium so as to fuse said non-fixed toner image, wherein said heating roller is rotatably supported on a shaft so that a circumferential surface of said heating roller contacts said recording medium, which bears said non-fixed toner image, while rotating; and

5 a temperature detecting unit that includes a temperature detecting element to detect a surface temperature of said circumferential surface of said heating roller, and a support member on which said temperature detecting element is mounted at 10 a detecting position;

wherein said temperature detecting unit is disposed in such
a manner that said support member press-contacts said
15 circumferential surface of said heating roller at a contacting
position residing on said support member in a rotating direction
of said heating roller; and

wherein said detecting position is located upstream from
said contacting position in said rotating direction of said
20 heating roller.

Claim 10 (New). The fixing device of claim 9,
wherein said support member comprises an elastic material
and said support member press-contacts said circumferential
surface by means of elastic deformation of said support member.

Claim 11 (New). The fixing device of claim 9,
wherein a distance between said detecting position and said
contacting position is at most equal to 1.0 mm in said rotating
direction of said heating roller.

Claim 12 (New). The fixing device of claim 9,
wherein a heat-resistant film is disposed between said
temperature detecting element and said circumferential surface of
said heating roller.

Claim 13 (New). The fixing device of claim 9,
wherein a distance between said detecting position and said
contacting position is adjustable.

Claim 14 (New). The fixing device of claim 9,
wherein said support member has a plate-shape, and an end
portion of said support member is fixed rigidly, while another
end portion of said support member press-contacts said
5 circumferential surface at said contacting position in said
rotating direction of said heating roller.

Claim 15 (New). The fixing device of claim 14,
wherein said support member includes two plate members, and
said temperature detecting element is supported between said two
plate members.

Claim 16 (New). The fixing device of claim 15,
wherein said two plate members are covered with a
heat-resistant film so that said support member press-contacts
said circumferential surface through said heat-resistant film.

Claim 17 (New). An image forming apparatus, comprising an image forming section which forms a non-fixed toner image on a recording medium; and

5 a fixing device which fixes said non-fixed toner image, formed by said image forming section, onto said recording medium; wherein said fixing device, comprises:

10 a heating roller which applies heat onto said non-fixed toner image formed on said recording medium so as to fuse said non-fixed toner image, wherein said heating roller is rotatably supported on a shaft so that a circumferential surface of said heating roller contacts said recording medium, which bears said non-fixed toner image, while rotating; and

15 a temperature detecting unit that includes a temperature detecting element to detect a surface temperature of said circumferential surface of said heating roller, and a support member on which said temperature detecting element is mounted at a detecting position;

20 wherein said temperature detecting unit is disposed in such a manner that said support member press-contacts said circumferential surface of said heating roller at a contacting position residing on said support member in a rotating direction of said heating roller; and

wherein said detecting position is located upstream from
said contacting position in said rotating direction of said
25 heating roller.